## INTERNATIONAL SEARCH REPORT

tri itional Application No PCT/IT 03/00666

A. CLASSIF	TICATION OF SUBJECT MATTER E05F3/14 F16F9/12								
According to International Patent Classification (IPC) or to both national classification and IPC									
B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)									
IPC 7	G11B E05F F16F								
Documentati	ion searched other than minimum documentation to the extent that	such documents are included in the fields sea	arched						
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)									
EPO-Internal, WPI Data, PAJ									
C. DOCUMENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.						
x	EP 1 348 827 A (CALSONIC KANSEI 1 October 2003 (2003-10-01) figures 7,8	CORP)	1,3-8						
X	US 4 828 344 A (OMATA NOBUAKI) 9 May 1989 (1989-05-09) figures 4-7		1,2						
A	US 4 618 039 A (OMATA NOBUAKI) 21 October 1986 (1986-10-21) figures		1						
A	FR 2 643 433 A (PFLIEGER ROGER) 24 August 1990 (1990-08-24) figures		1						
A	EP 0 199 242 A (FOGGINI PROGETT 29 October 1986 (1986-10-29) figures	TI)	1						
	rther documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.						
*A* docum	<ul> <li>Special categories of cited documents:</li> <li>A* document defining the general state of the art which is not considered to be of particular relevance</li> <li>T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> </ul>								
'E' earlie filing	claimed invention of the considered to								
"L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another cliation or other special reason (as specified)  "Calinio be considered to destablish the document is taken alone involve an inventive step when the cannot be considered to involve an inventive step when the									
O' document referring to an oral disclosure, use, exhibition or other means document is combined with one or more other such documents, such combination being obvious to a person skilled in the oral disclosure.									
'P' document published prior to the international filing date but sale rithan the priority date claimed "&" document member of the same patent family									
Date of th	Date of the actual completion of the international search  Date of mailing of the international search report								
11 May 2004 28/05/2004									
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  Authorized officer									
	NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Pöll, A							

## INTERNATIONAL SEARCH REPORT

nformation on patent family members

It ational Application No PCT/IT 03/00666

	atent document d in search report		Publication date		Patent family member(s)		Publication date
EP	1348827	Α	01-10-2003	JP EP US	2003278813 1348827 2003183039	A1	02-10-2003 01-10-2003 02-10-2003
US	4828344	A	09-05-1989	JP JP JP	1624338 2050275 61078980	В	18-11-1991 01-11-1990 22-04-1986
US	4618039	Α	21-10-1986	NONE			
FR	2643433	Α	24-08-1990	FR FR	2643433 2658576		24-08-1990 23-08-1991
EP	0199242	Α	29-10-1986	CA DE EP JP US	1272225 3672876 0199242 61254778 4694530	D1 A2 A	31-07-1990 30-08-1990 29-10-1986 12-11-1986 22-09-1987